

## ROTATECH HH

## Half Height Turnstiles

for indoor and outdoor applications

ROTATECH HH range of heavy-duty electromechanical half height turnstiles are designed to provide reliable people flow regulation and medium level of security in one user-friendly and robust solution.

The ROTATECH HH half height turnstiles provide electronically controllable bidirectional access, available in either fail-safe or fail-lock locking configuration in the event of a power failure or emergency condition.



### AVAILABLE CONFIGURATIONS

- ROTATECH HHS | Single 4-arm half height turnstile
- ROTATECH HDD | Double 4-arm full height turnstile - Available on request

### Typical areas of application include:

Commercial & Residential Estates | Construction Sites | Education | Government Sites | Industrial Sites | Leisure Centres | Logistics Centres | Mines | Recreation & Amusement Parks | Stadia & Sport Arenas

### Alltech Vehicle Barriers & Turnstiles Solutions also feature:

Boom and Spike Barriers | Bollards | Fast Folding Gates | Road and Rated Wedge Blockers | Full Height Turnstiles | Tripod Turnstiles | Revolving Doors | Security Booths | Special Needs Access Gates

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## ELECTRICAL DATA & CONDITIONS OF USE

POWER	<ul style="list-style-type: none"> <li>Power Supply: 220Vac 50Hz / 110Vac 50Hz</li> <li>Power Consumption: 35W (ROTATECH HHS) / 70W (ROTATECH HHD)</li> </ul>
LOGIC / SOLENOID VOLTAGE	<ul style="list-style-type: none"> <li>24VDC</li> </ul>
FIRE SIGNAL	<ul style="list-style-type: none"> <li>Input for voltage free contact</li> </ul>
OPERATING TEMPERATURES	<ul style="list-style-type: none"> <li>-10°C to +55°C</li> <li>RH 95% no condensing</li> </ul>
EMC COMPLIANCE	<ul style="list-style-type: none"> <li>According to CE</li> </ul>

## SYSTEMS INTEGRATION & ACCESS SPECIFICATIONS

LOGIC	<ul style="list-style-type: none"> <li>PLC</li> </ul>
SYSTEMS INTEGRATION	<ul style="list-style-type: none"> <li>Integrates with any access control and time &amp; attendance systems with 0 voltage input</li> <li>0V inputs provided for entry and exit directions of passage</li> <li>0V latching input provided for control of both simultaneous and individual entry and exit direction</li> <li>0V outputs provided for complete transaction counting in both entry and exit directions</li> <li>Mechanical key switch override for locking / unlocking each direction of passage</li> </ul>
FLOW RATES <i>Dependent on access control installation</i>	<ul style="list-style-type: none"> <li>Insertion Type Reader: 12 passages / mn</li> <li>Swipe Type Reader: 15 passages / mn</li> <li>Proximity Type Reader: 18 passages / mn</li> </ul>
SPECIAL NEEDS ACCESS	<ul style="list-style-type: none"> <li>No. Only available in combination with a special needs access gate. See Alltech selection of equipment within the HANDYTECH product range</li> </ul>
POWER FAILURE / EMERGENCY EGRESS	<ul style="list-style-type: none"> <li>In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. <i>Choice to be specified at time of order placement</i></li> </ul>

## INSTALLATION & MAINTENANCE

PRODUCT DELIVERY	<ul style="list-style-type: none"> <li>Fully assembled or in a kit form. Choice to be specified at time of order placement.</li> </ul>
SITE PREPARATION	<ul style="list-style-type: none"> <li>Flat and leveled finished floor +/- 5mm</li> </ul>
CABLING & CONDUITS	<ul style="list-style-type: none"> <li>Through the ground or through the wall</li> </ul>
LOGIC ACCESS	<ul style="list-style-type: none"> <li>Housed into top channel with lockable lid</li> </ul>
MAINTENANCE ACCESS	<ul style="list-style-type: none"> <li>Top channel access</li> </ul>
MTTR   <i>Mean Time To Repair</i>	<ul style="list-style-type: none"> <li>Approx. 20mn</li> </ul>
MCBF   <i>Mean Cycle Between Failure</i>	<ul style="list-style-type: none"> <li>5million</li> </ul>

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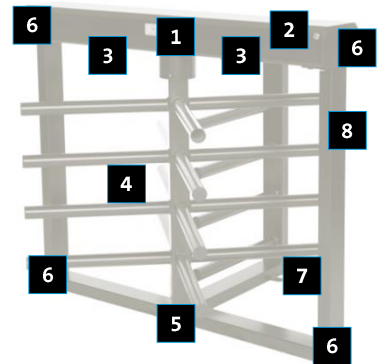
## MECHANICAL AND DESIGN OPTIONS

<b>ROTATION MECHANISM</b>	<ul style="list-style-type: none"> <li>▪ Electronically controlled bi-directional</li> <li>▪ Mechanically controlled uni-directional via key override</li> <li>▪ Free rotation</li> </ul>
<b>LOCKING</b>	<ul style="list-style-type: none"> <li>▪ Fail-lock* auto-lock in the event of a power failure</li> <li>▪ Fail-safe* auto-unlock in the event of a power failure</li> </ul> <p><i>* In the event of power failure or fire alarm, the turnstile may be configured to fail-safe i.e. rotor freely rotates or fail-lock i.e. rotor locks. Either option is available in both or one direction. Choice to be specified at time of order placement.</i></p>
<b>FINISH OPTIONS</b>	<ul style="list-style-type: none"> <li>▪ Mild steel powder coated to standard RAL 5008 - Charcoal Blue. <i>Other choice of colour available on request</i> <i>Not recommended for corrosive environment applications</i></li> <li>▪ Hot dip galvanised mild steel powder coated to RAL 7004 - Signal Grey. <i>Other choice of colour available on request</i> <i>Suitable for corrosive environment applications</i></li> <li>▪ Brushed 304 stainless steel. <i>Suitable for corrosive environment applications with adequate cleaning program</i></li> <li>▪ Brushed 316 stainless available on request. <i>For improved durability in corrosive environment applications with adequate cleaning program</i></li> </ul>
<b>ACCESSORIES</b>	<ul style="list-style-type: none"> <li>▪ Turnstile hand rail in matching finish</li> <li>▪ Access control reader mounting brackets</li> <li>▪ Single / dual push button (supplied turnstile mounted or non-mounted)</li> </ul>

## PRODUCT OVERVIEW

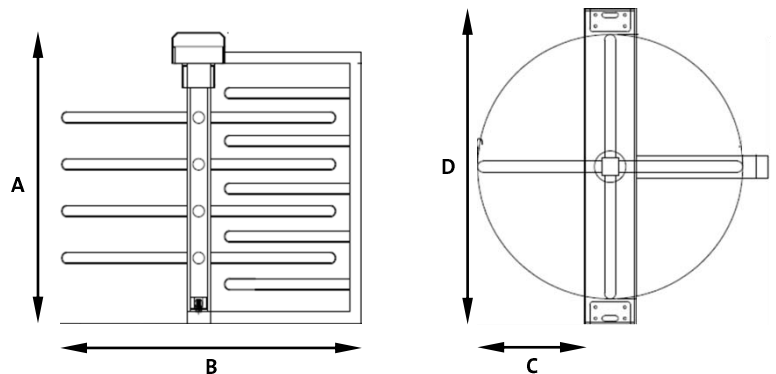
### INDEX KEY

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|--|--|
| <b>1</b> Electro-mechanical head system                      | <b>5</b> Base bearing                            |
| <b>2</b> Top channel lockable lid                            | <b>6</b> Wiring entry points                     |
| <b>3</b> Mechanical key overrides                            | <b>7</b> 6 floor and wall bolting points         |
| <b>4</b> 50mm $\varnothing$ straight arms spaced 150mm apart | <b>8</b> Access control reader mounting position |



### DIMENSIONS & WEIGHT

<b>A: OVERALL HEIGHT</b>	1200mm
<b>B: OVERALL WIDTH</b>	1300mm
<b>C: WALKWAY WIDTH</b>	500mm
<b>D: TOTAL LENGTH</b>	1400mm
<b>NET WEIGHT</b>	120kg





## ALLTECH RELIABILITY

Picking the optimum entrance control solution is a process based on close cooperation with our customers – all the way from **needs analysis**, **production**, to **implementation** and **service**

### From Analysis to Proposal

- Needs analysis forms the basis of a tailored proposal
- Specified for the overall solution and for individual areas of the site
- Fully compliant with all local regulations

### Installation, Testing, Training

- Monitoring and implementing every installation
- Completion programme of functional reliability checks to ensure the equipment is safe
- Documenting each stage of the installation process
- Initiating start-up phase whilst focusing on training of relevant staff

### Operation and Maintenance

- Initiating procedures for operation and maintenance
- Offering adequate Maintenance Plans or Service Level Agreements

With Alltech, a brand of the Gunnebo Security Group, a safe and reliable entrance control system is ready for round-the-clock use.



**Bishopsgate Int (Nig) Ltd**  
52a Campbell Street  
Lagos Island CBD  
Lagos State 100221

Tel. +234 (700) 247-4677-4283  
Email: [sales@bishopsgate-ng.com](mailto:sales@bishopsgate-ng.com)  
Web: [www.bishopsgate-ng.com](http://www.bishopsgate-ng.com)